

-	17195	(((((impedance match\$3)and (switch or circuit)) and (power supply)) and ((open or close) and (detect\$3 or sensor\$3))) and (mobile or wireless or portable)	USPAT	2004/07/10 13:02
-	70	(((((impedance match\$3)and (switch or circuit)) and (power supply)) and ((open or close) and (detect\$3 or sensor\$3))) and (mobile or wireless or portable)) and (radio or phone or telephone)) and (flip-phone or foldable)	USPAT	2004/07/10 13:20
-	99	455/575.3.ccls.	USPAT	2004/07/10 13:21
-	1	(((((impedance match\$3)and (switch or circuit)) and (power supply)) and ((open or close) and (detect\$3 or sensor\$3))) and (mobile or wireless or portable)) and (radio or phone or telephone)) and 455/575.3.ccls.	USPAT	2004/07/10 13:21
-	9758	(((((impedance match\$3)and (switch or circuit)) and (power supply)) and ((open or close) and (detect\$3 or sensor\$3))) and (mobile or wireless or portable)) and (radio or phone or telephone)	USPAT	2004/07/10 13:34
-	0	6538506.URPN.	USPAT	2004/07/10 13:50
-	7	("5276912" "5408691" "5423074" "5564086" "5939941" "5973568" "6215359").PN.	USPAT	2004/07/10 13:50
-	7	("5276912" "5408691" "5423074" "5564086" "5939941" "5973568" "6215359").PN.	USPAT	2004/07/10 14:04
-	6394	Hideaki.in.	USPAT	2004/07/12 15:49
-	87931	antenna	USPAT	2004/07/12 15:49
-	127	Hideaki.in. and antenna	USPAT	2004/07/12 15:51
-	644	Yasuhito.in.	USPAT	2004/07/12 15:51
-	4	(Hideaki.in. and antenna) and Yasuhito.in.	USPAT	2004/07/12 15:58
-	0	455/550.ccls.	USPAT	2004/07/12 15:58
-	381	455/550.1.ccls.	USPAT	2004/07/12 15:58
-	0	Hideaki.in. and 455/550.1.ccls.	USPAT	2004/07/12 16:01
-	188907	(impedance matching) and (Circuit or switch)	USPAT	2004/07/12 16:01
-	402	Hideaki.in. and ((impedance matching) and (Circuit or switch))	USPAT	2004/07/12 16:57
-	3	(Hideaki.in. and ((impedance matching) and (Circuit or switch))) and Yasuhito.in.	USPAT	2004/07/12 16:02
-	0	6670924.URPN.	USPAT	2004/07/12 16:04
-	6	("6137446" "6198442" "6211830" "6326924" "6342859" "6388626").PN.	USPAT	2004/07/12 16:05
-	5	("5335366" "5874920" "5986608" "6285327" "6295462").PN.	USPAT	2004/07/12 16:08
-	6	("6137446" "6198442" "6211830" "6326924" "6342859" "6388626").PN.	USPAT	2004/07/12 16:47
-	81	(Hideaki.in. and ((impedance matching) and (Circuit or switch))) and (flip or fold\$3)	USPAT	2004/07/12 16:50
-	82	(Hideaki.in. and ((impedance matching) and (Circuit or switch))) and (portable or radio or phone or wireless or cellular or mobile)	USPAT	2004/07/12 16:58

-	2881	(impedance matching)adj0(switch or circuit) and ((open or close) and (detect\$4))	USPAT	2004/07/10 08:01
-	120	((flip or fold\$3)and(mobile or portable or wireless or cellular) and (impedance matching)adj0(switch or circuit)) and ((open or close) and (detect\$4))	USPAT	2004/07/10 08:02
-	280	(flip or fold\$3)and(mobile or portable or wireless or cellular) and (impedance matching)adj0(switch or circuit)	USPAT	2004/07/10 10:57
-	2	6327485.URPN.	USPAT	2004/07/10 08:30
-	153626	(matching circuits) and Switches	USPAT	2004/07/10 11:35
-	423832	(open or close) and (detect\$4)	USPAT	2004/07/10 11:00
-	59789	((matching circuits) and Switches) and ((open or close) and (detect\$4))	USPAT	2004/07/10 11:04
-	17593	((matching circuits) and Switches) and ((open or close) and (detect\$4)) and (mobile or portable or cellular or radio or phone)	USPAT	2004/07/10 11:05
-	3726	((matching circuits) and Switches) and ((open or close) and (detect\$4)) and (mobile or portable or cellular or radio or phone) and flip	USPAT	2004/07/10 11:07
-	1	5752204.pn.	USPAT	2004/07/10 11:11
-	1	5608413.pn.	USPAT	2004/07/10 11:16
-	1	5561437.pn.	USPAT	2004/07/10 11:28
-	528229	(open or close) and (matching circuit)	USPAT	2004/07/10 11:29
-	59033	((open or close) and (matching circuit)) and (radio or phone)	USPAT	2004/07/10 11:30
-	17459	((open or close) and (matching circuit)) and (radio or phone) and (mobile or wireless or celular)	USPAT	2004/07/10 11:30
-	87933	((open or close) and (matching circuit)) and (radio or phone) and (mobile or wireless or celular) and dilpole antenna	USPAT	2004/07/10 11:31
-	736312	((open or close) and (matching circuit)) and (radio or phone) and (mobile or wireless or celular) and dilpole antenna and foldable cover	USPAT	2004/07/10 11:31
-	622	((open or close) and (matching circuit)) and (radio or phone) and (mobile or wireless or celular) and dilpole antenna and foldable	USPAT	2004/07/10 11:32
-	38126	((matching circuits) and Switches) and (foldable or portable or mobile or cellular radio or phone)	USPAT	2004/07/10 11:37
-	453092	((open or close) and (detect\$4)) an ((matching circuits) and Switches) and (foldable or portable or mobile or cellular radio or phone)	USPAT	2004/07/10 11:38
-	17664	((open or close) and (detect\$4)) and ((matching circuits) and Switches) and (foldable or portable or mobile or cellular radio or phone)	USPAT	2004/07/10 11:39
-	511	((open or close) and (detect\$4)) and ((matching circuits) and Switches) and (foldable or portable or mobile or cellular radio or phone)) and dipole	USPAT	2004/07/10 12:53
-	286767	(impedance match\$3)and (switch or circuit)	USPAT	2004/07/10 12:56
-	878006	((impedance match\$3)and (switch or circuit)) and power supply	USPAT	2004/07/10 12:56
-	210584	((impedance match\$3)and (switch or circuit)) and (power supply)	USPAT	2004/07/10 12:59
-	491033	(open or close) and (detect\$3 or sensor\$3)	USPAT	2004/07/10 13:00
-	627277	((impedance match\$3)and (switch or circuit)) and (power supply)) an ((open or close) and (detect\$3 or sensor\$3))	USPAT	2004/07/10 13:01
-	82321	((impedance match\$3)and (switch or circuit)) and (power supply)) and ((open or close) and (detect\$3 or sensor\$3))	USPAT	2004/07/10 13:01

-	253396	(parallel two-line)adj(power supply) same coaxial cable	USPAT	2004/07/09 08:22
-	28	((parallel two-line)adj(power supply) same phase) and ((parallel two-line)adj(power supply) same coaxial cable)	USPAT	2004/07/09 08:23
-	0	((parallel)adj (two-line))adj(power supply)	USPAT	2004/07/09 08:25
-	26	(parallel two-line)adj(power supply) same coaxial	USPAT	2004/07/09 12:32
-	5	3766476.URPN.	USPAT	2004/07/09 08:31
-	0	(two-line)adj(power supply) same coaxial	USPAT	2004/07/09 12:32
-	0	(parallel two-line)adj(power supply) same coaxial	USPAT	2004/07/09 12:33
-	26	(parallel two-line)adj(power supply) same coaxial	USPAT	2004/07/09 12:34
-	0	parallel adj0 two-line)adj1(power supply	USPAT	2004/07/09 12:35
-	0	parallel adj0 two-line)adj1(power supply	USPAT	2004/07/09 12:36
-	0	parallel adj two-line)adj1(power supply	USPAT	2004/07/09 12:36
-	0	parallel two-line)adj1(power supply	USPAT	2004/07/09 12:36
-	4341	parallel two-line)adj1(power supply	USPAT	2004/07/09 12:36
-	3	(parallel two-line)adj1(power supply) near4 (flip or foldable)	USPAT	2004/07/09 12:38
-	26	(parallel two-line)adj1(power supply) same coaxial	USPAT	2004/07/09 12:39
-	0	((parallel two-line)adj1(power supply) same coaxial) and ((flip or foldable)adj(phone or radio or telephone))	USPAT	2004/07/09 12:40
-	1	((parallel two-line)adj1(power supply) same coaxial) and (phone or radio or telephone)	USPAT	2004/07/09 12:51
-	289	455/572.ccls.	USPAT	2004/07/09 12:52
-	99	455/575.3.ccls.	USPAT	2004/07/09 12:57
-	3	455/572.ccls. and 455/575.3.ccls.	USPAT	2004/07/09 12:52
-	74885	(parallel two-line) same (reverse phase)	USPAT	2004/07/09 13:00
-	4	455/572,575.3.ccls. and ((parallel two-line) same (reverse phase))	USPAT	2004/07/09 12:58
-	49878	(parallel adj power supply) same (phase)	USPAT	2004/07/09 13:01
-	6	455/572,575.3.ccls. and ((parallel adj power supply) same (phase))	USPAT	2004/07/09 13:01
-	10	("4159448" "4234762" "4336466" "5001748" "5029298" "5050235" "5117450" "5327583" "5703827" "5771470").PN.	USPAT	2004/07/09 13:05
-	385	455/572,575.3.ccls.	USPAT	2004/07/09 17:39
-	3	("5799079" "5923751" "6011699").PN.	USPAT	2004/07/09 13:27
-	0	6701166.URPN.	USPAT	2004/07/09 13:57
-	5	("3995210" "6230028" "6334050" "6353733" "6356741").PN.	USPAT	2004/07/09 13:57
-	10032	(impedance matching) adj (circuit or switch)	USPAT	2004/07/09 17:40
-	3365	((impedance matching) adj (circuit or switch)) same (power supply)	USPAT	2004/07/09 17:40
-	24795	mobile or portable or wireless or cellular)adj(radio or phone	USPAT	2004/07/09 17:41
-	210	((impedance matching) adj (circuit or switch)) same (power supply)) and (mobile or portable or wireless or cellular)adj(radio or phone)	USPAT	2004/07/09 17:41
-	780067	flip or fold\$3 or pivot\$3	USPAT	2004/07/09 17:42
-	27	((impedance matching) adj (circuit or switch)) same (power supply)) and (mobile or portable or wireless or cellular)adj(radio or phone)) and (flip or fold\$3 or pivot\$3)	USPAT	2004/07/09 17:42
-	1	6522300.URPN.	USPAT	2004/07/09 17:52
-	9	("4914714" "5722089" "5794158" "5812097" "6154177" "6341216" "6344826" "6393264" "6469669").PN.	USPAT	2004/07/09 17:52
-	10032	impedance matching)adj0(switch or circuit	USPAT	2004/07/10 07:59
-	74220	flip or fold\$3)and(mobile or portable or wireless or cellular	USPAT	2004/07/10 08:00

-	423	(parallel two-line)adj(power supply) and (flip or foldable)	USPAT	2004/07/07 15:04
-	1	(portable or mobile or wireless) adj(phone or radio) and ((parallel two-line)adj(power supply) and (flip or foldable))	USPAT	2004/07/07 15:05
-	7900	(resona\$5) same (diplole antenna)	USPAT	2004/07/08 15:14
-	17361	(portable or mobile or wireless) adj0 (phone or radio)	USPAT	2004/07/08 15:44
-	726	((resona\$5) same (diplole antenna)) and ((portable or mobile or wireless) adj0 (phone or radio))	USPAT	2004/07/08 14:43
-	118	flip or foldable)adj0(radio or phone	USPAT	2004/07/08 14:43
-	2	((resona\$5) same (diplole antenna)) and ((portable or mobile or wireless) adj0 (phone or radio))) and (flip or foldable)adj0(radio or phone)	USPAT	2004/07/08 14:43
-	6	("5337061" "5451965" "5542106" "5809403" "5945954" "5995052").PN.	USPAT	2004/07/08 14:47
-	6	("2990547" "4658262" "4860019" "5313216" "5561437" "5563616").PN.	USPAT	2004/07/08 14:49
-	11	5986609.URPN.	USPAT	2004/07/08 14:50
-	0	6677903.URPN.	USPAT	2004/07/08 14:55
-	12	("5898404" "5986609" "5995052" "6054954" "6061028" "6073027" "6094179" "6140966" "6204826" "6266538" "6337666" "6377226").PN.	USPAT	2004/07/08 14:56
-	0	(resonator) same (diplole antenna)	USPAT	2004/07/08 15:14
-	1422	(resonator) same (diplole antenna)	USPAT	2004/07/08 15:15
-	0	((resonator) same (diplole antenna)) and (flip or foldable)adj0(radio or phone)	USPAT	2004/07/08 15:15
-	162	((resonator) same (diplole antenna)) and ((portable or mobile or wireless) adj0 (phone or radio))	USPAT	2004/07/08 15:38
-	8	((resonator) same (diplole antenna)) and ((portable or mobile or wireless) adj0 (phone or radio))) and (flip or foldable)	USPAT	2004/07/08 15:19
-	0	((resonator) same (diplole antenna)) and ((portable or mobile or wireless) adj0 (phone or radio))) and ((flip or foldable)adj(radio or phone))	USPAT	2004/07/08 15:20
-	0	(rsonater) same (flip[or foldable)	USPAT	2004/07/08 15:39
-	0	(resonater) same (flip[or foldable)	USPAT	2004/07/08 15:39
-	0	(resonator) same (flip[or foldable)	USPAT	2004/07/08 15:39
-	151	(resonator) same (flip or foldable)	USPAT	2004/07/08 18:59
-	11	((portable or mobile or wireless) adj0 (phone or radio)) and ((resonator) same (flip or foldable))	USPAT	2004/07/08 16:25
-	3098	dipole near2 antenna	USPAT	2004/07/08 16:26
-	1355	resonat\$3 near4 antenna	USPAT	2004/07/08 16:26
-	854	pivot\$ or flip\$ or folda\$3)near3(phone or telephone or radio	USPAT	2004/07/08 16:27
-	3	((dipole near2 antenna) and (resonat\$3 near4 antenna)) and (pivot\$ or flip\$ or folda\$3)near3(phone or telephone or radio)	USPAT	2004/07/08 16:28
-	8	6011519.URPN.	USPAT	2004/07/08 16:29
-	8	("4785303" "5300938" "5451965" "5508709" "5555459" "5561437" "5572223" "5905467").PN.	USPAT	2004/07/08 16:30
-	239	(dipole near2 antenna) and (resonat\$3 near4 antenna)	USPAT	2004/07/08 16:32
-	981	(resonator) near2 (wavelength)	USPAT	2004/07/08 19:00
-	39	((resonator) near2 (wavelength)) same (dipole antenna)	USPAT	2004/07/08 19:00
-	2	("6046703" "6239765").PN.	USPAT	2004/07/08 19:09
-	4341	parallel two-line)adj(power supply	USPAT	2004/07/09 08:24
-	3	((parallel two-line)adj(power supply) same phase) and ((mobile or wireless 0r portable or cellular) adj (radio or telephone or phone))	USPAT	2004/07/09 08:19
-	270	(parallel two-line)adj(power supply) same phase	USPAT	2004/07/09 08:25

-	247	455/575.7.ccls.	USPAT	2004/07/07 09:34
-	861	455/522.ccls.	USPAT	2004/07/07 09:35
-	0	(455/575.7.ccls. and 455/575.3.ccls.) and 455/522.ccls.	USPAT	2004/07/07 09:35
-	0	455/575.7.ccls. and 455/575.3.ccls. and 455/522.ccls.	USPAT	2004/07/07 09:35
-	9	455/575.7.ccls. and 455/575.3.ccls.	USPAT	2004/07/07 09:36
-	99	455/575.3.ccls.	USPAT	2004/07/07 09:47
-	1961	455/575.7,550.1,575.1,575.3,90.3,522.ccls.	USPAT	2004/07/07 14:52
-	10	("5907306" "5953413" "6122530" "6125286" "6259932" "6389267" "6397087" "6445932" "6459911" "6571086").PN.	USPAT	2004/07/07 09:59
-	0	6748243.URPN.	USPAT	2004/07/07 10:02
-	0	6748243.URPN.	USPAT	2004/07/07 10:02
-	0	6745057.URPN.	USPAT	2004/07/07 10:06
-	14	("4491843" "4723305" "5394149" "5394150" "5826201" "5940039" "5977917" "6037046" "6075977" "6220955" "6341217" "6404403" "6469670" "6670546").PN.	USPAT	2004/07/07 10:06
-	0	6731959.URPN.	USPAT	2004/07/07 10:10
-	5	("5751804" "5867795" "5933783" "5937360" "6002945").PN.	USPAT	2004/07/07 10:10
-	3	("5734350" "6285328" "6326927").PN.	USPAT	2004/07/07 10:13
-	272	(resonat\$3) adj (dipole antenna)	USPAT	2004/07/07 10:48
-	3	455/575.7,550.1,575.1,575.3,90.3,522.ccls. and ((resonat\$3) adj (dipole antenna))	USPAT	2004/07/07 10:50
-	337	455/575.7,575.3.ccls.	USPAT	2004/07/07 10:50
-	3	((resonat\$3) adj (dipole antenna)) and 455/575.7,575.3.ccls.	USPAT	2004/07/07 10:53
-	861	455/522.ccls.	USPAT	2004/07/07 10:53
-	0	((resonat\$3) adj (dipole antenna)) and 455/522.ccls.	USPAT	2004/07/07 10:53
-	0	((resonat\$3) adj (dipole antenna)) and ((motorola.as.) and (thompson.in. or vannatta.in.))	USPAT	2004/07/07 10:55
-	5	455/575.7,575.3.ccls. and ((motorola.as.) and (thompson.in. or vannatta.in.))	USPAT	2004/07/07 10:55
-	11	("4313119" "4862182" "4914714" "5119501" "5175759" "5303396" "5337061" "5369801" "5444745" "5463406" "5508709").PN.	USPAT	2004/07/07 10:58
-	100	(motorola.as.) and (thompson.in. or vannatta.in.)	USPAT	2004/07/07 13:29
-	5	5809433.URPN.	USPAT	2004/07/07 12:47
-	3876	(dipole antenna) and (resonator)	USPAT	2004/07/07 14:52
-	15839	(half or quarter) adj (wavelength)	USPAT	2004/07/07 14:53
-	747	((dipole antenna) and (resonator)) and ((half or quarter) adj (wavelength))	USPAT	2004/07/07 14:53
-	17361	portable or mobile or wireless) adj(phone or radio	USPAT	2004/07/07 14:54
-	747	((dipole antenna) and (resonator)) and ((half or quarter) adj (wavelength)) and L6	USPAT	2004/07/07 14:55
-	0	((dipole antenna) and (resonator)) and ((half or quarter) adj (wavelength)) and ((flip or foldable)adj(housing or support or casing))	USPAT	2004/07/07 14:56
-	25	((dipole antenna) and (resonator)) and ((half or quarter) adj (wavelength)) and (flip or foldable)	USPAT	2004/07/07 15:04
-	4341	parallel two-line)adj(power supply	USPAT	2004/07/07 15:01
-	4343	L7and (parallel two-line)adj(power supply)	USPAT	2004/07/07 15:01
-	4342	L6and (parallel two-line)adj(power supply)	USPAT	2004/07/07 15:01
-	15	(portable or mobile or wireless) adj(phone or radio) and (parallel two-line)adj(power supply)	USPAT	2004/07/07 15:03
-	4	((dipole antenna) and (resonator)) and ((half or quarter) adj (wavelength)) and (parallel two-line)adj(power supply)	USPAT	2004/07/07 15:03

-	97	("5412358" "5576672" "4526413" "5369379" "5424692" "5539414" "5600287" "5638036" "5821902" "5847682" "5854786" "6002999" "6034637" "6147652" "6150984" "6172582" "6201457" "4268722" "4782342" "4812847" "4910478" "4932874" "4998077" "5323128" "5375256" "5396201" "5412392" "5541616" "5559481" "5585807" "5613236" "5631612" "5639252" "5659241" "5736901" "5739795" "5818307" "59298145940044" "5945806" "5949383" "6008770" "6034640" "6069541" "6169889" "6346916" "6429753" "6433746" "6222431" "6222431").pn. ("4247908" "4961220" "5201064" "5323169" "5995064" "6078808" "6163306" "6208226" "4270104" "4281403" "4799237" "4801885" "4992769" "5247567" "5253287" "5259020" "5332982" "5461664" "5493436" "5557245" "5787157" "5826196" "5877660" "5932062" "6029072" "6142974" "6243423"	USPAT	2004/07/07 09:34
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